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Oct 2, 2001

DERWENT-ACC-NO: 2002-109545

DERWENT-WEEK: 200215

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TITLE: Steel plate with high aluminum content used for motor vehicle components, comprises carbon, silicon, manganese, phosphorous, aluminum, sulfur, nitrogen and remainder iron

PRIORITY-DATA: 2000JP-0085709 (March 27, 2000)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>JP 2001271148 A</u>	October 2, 2001		006	C22C038/06

INT-CL (IPC): C22C 38/00; C22C 38/06; C22C 38/38

ABSTRACTED-PUB-NO: JP2001271148A

BASIC-ABSTRACT:

NOVELTY - The steel plate with high aluminum content comprises carbon (in mass%) (0.01 or less), silicon (0.01-2), manganese (0.05-2.5), phosphorous (0.02 or less), aluminum (5-10), sulfur (0.01 or less), nitrogen (0.01 or less) and remainder iron.

USE - For motor vehicle components and combustion apparatus units.

ADVANTAGE - The steel plate has high temperature resistant oxidation property, and is obtained at low cost than stainless steel. Favorable workability in room temperature is enabled. Cracking during press stamping is prevented.

DESCRIPTION OF DRAWING(S) - The graph shows the influence of aluminum content on high temperature resistant oxidation property. (Drawing includes non-English language text).

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EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/1

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